الموضوع: ــــــ 111/18 مور لن القالمت الحل Endlast in A an hage is Ital = (in him teller) D'SAR = [A.A] D2A = [DA.DA] D'H'A - [DHA DHA] Exap B NON Lases A'CH ILLED: D'A - [D'-1/A] - A''CM in Resident bos d'in A. Fil. Acino dio DA dis nEN is 11 D"+'A = D"A eli nEN eliti 2 Acipadho or DoA. DoA. DoA of cil words Acisico d'Es DXA de KON de si cilid. DIA+D-[DKA, DHA]

DIA+D- [DKA, DHA]

DIA-D- DHA-D- ا (مجمان المحمد) 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

الموضوع: n _ s s jam & l _ 2 n-0: DA=[A,A] CA=D°A n-1: D2A = [DA, DA] C[A,A] = D.A who KEN do's or i will in DYASDK-'A DK+1A = [PMA, DMA] & [DK-1A, DMA]. D"+'A = D'A : DineNS dos cres. * ser to Ell Coo du po A - SJ : To et les AciellorA of nEN estil Aciso de D'A : elé nEN e Buil-2 D'A JUL D'A JE NEN CBII.3. PA-ILBU NEN ili A'+"O occel exto is 1-4 A = D°A 2 DA 2 D²A2 ... - 5. البرمان على المحادة ال [2] 6 [3] comp [Jung 10] . [[3] 9 [2] . A with a A ci in on the Sign in in. DA = A 2 DA - [A, A] ful n=adation 3. DOA = Cinimalent DA Co DA OF LIS D2A = [DADA] = DA cili n=1 doi co DA cie d'hob? A cie A cied la p2A of Us DK-1A CO Who DKA will K do'x or laipied D'A = D'A D'A CDHA : is in 1 (orange () 3 4 5 6 7 8 9 10 11 12 13 14 15 18 17

DY 2 OL DX+A SISTERS. 4. con 18 00 00 00 15 13 000 14 DMA = 0 CO MEN LO DE OR DE MEN LE DE DE LA DE LE Man Kally ally Upp in A (I man 1 Fig. 1) A (I man 1 Fig. A) RadA winig. de till went to & colon stope it is no , * del Misse 20 en K des cos de la la S. dim A= 2 vig K did oè de la l'il il il K Je A ud 5-16 S= Senez 3 CA cialiens عد الماكان عدم فان عربي عود ومرة على 2= RICI+RZEZ; KIRZEK Sill. : in ine DA=[AA] = DA = Su Z=[x,y] ~ x,y EA , 10 21 [evez]= Re, 28111 215 1 = 1 KI 0 + 96 K cm 0 + 96 and esporte El cio x= a1 e1+ a2e2 - y= B, e1+ B2e2

الموضوع: Z=[xy]=[xiei+Rzez Biei+Bzez] = [Kiei, Riei] + [Kiei, Bzez] + [Kzez, Biei] + [Kzez/Bzez] $= x_1 \cdot B_1 \left[e_1, e_1 \right] + x_1 \cdot B_2 \left[e_1, e_2 \right] + \left[\alpha_2 \beta_1 \left[e_2, e_1 \right] \right]$ $= x_1 \cdot B_2 \left[e_2, e_2 \right]$ $= x_1 \cdot B_2 \left[e_1, e_2 \right] - d_2 \beta \left[e_1, e_2 \right].$ $= (x_1 \cdot B_2 - \alpha_2 \beta_1) \left[e_1, e_2 \right].$ Z= (\alpha \beta \beta \alpha \beta 10ml. De Si is De A - [DA, DA]cono Z E De : con me Bez = [e,ez] a Bisteri is eresups anien Ist die A = 6 BEN.

111/19 الموضوع: 11 RIBEH : [evez] = xe, + pez : - will = JK1. veril. x + 0 , B + 0 e' = a e + Bez GA لنفرجت أن e'z = Re, -Bez & A الله هد على أن الحموم ق أواء أوا مستقلة وَهِلْ عَوْقَ الله Leither = o Cod Lught Su 1=M=0 01= 2 1 3 1 Re1 +1 Bez +MRE1-MBEZ-6 () x + Ma) qe, + () M) Be2=0 (1 + M) X = 0 = X + 0 = 0 = x + 0 (1-MIB=0 => 1-M=0 B=0 2/30=/1-0 Megé lips Externo le le le 3 Er de de la la se. A jel sipiell = sio sè le lè l'es? ou ent ilè cros. Z=[x,y]; x,y ∈ A 2 = / ei+ & ez , y = pei+ & ez . Agoso Elek. Z=[re: + 8 e2, r, e, + 8 e2] = Y X, [e', e',] + YE, [e', e'] + EX, [e'z e'] المتعاوناتين ع 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

+ zei[èq·èz] = [rei-eyi[èi, èz]

· [èi,èz] = [aei+Bee, aei-Bez] $\alpha\beta[e_1,e_2] + \beta\alpha[e_2,e_1] = -2\alpha\beta[e_1,e_2]$ $= 2\alpha\beta e$ $= 2\alpha\beta e$ $= 2\alpha\beta(e_1,e_2) = 2\alpha\beta(e_1,e_2)$ $= 2\alpha\beta(e_1,e_2) = 2\alpha\beta(e_1,e_2)$ 10 m A cis cisosips DA cisominas

PA- & U.e. UEK 3 70=[20,40] ; 20,40 EDA Zo=[20,40] ; 20,40 EDA Zo=u,e; yo=uze Z=[20190]=[41e,420]=[4142[e,0]=0 ادا و مدا بسان ان الله حال عان الحب A عالما . لكل . و, ورج حتدان المعال المالات المعاد فاعدت و وق معال المالات المعاد فاعدت و وق المعاد ا 2 [e1,e3] = be/ 3 [e2,e3] = ce1-fbez+fae3 All de Scrieph re about fell as

2=[2-y]; 2,yeA ZEDA Su y= x'e,+ Bez+ re3 ; 500 9

y= x'e,+ B'ez+ r'e3 Z=[x,y]=[xe+Bez+Yez, x'e+B'ez+Y'ez] = aB[enez]+ay[enez]+Ba'[enez]+By'[enez] + y à [es,e] + y B'[es,ez] = (x B' - Bx') [e, e] + (x p' - px') [e, e] + Br - yP)[ez, e] = [aB Ba)ae, + (a r' ra') be, + (Br' rB)ke, - {bez + fae3} ((AB)-BA'la - (Ar'-PA'lb +Br'-7B'lc)e, + (VP'-BY') fb) e2 + (Br'-rB) fa) e3. = 0e, + (pB'-BY) f(bez. de3) 2=0e1+2e , 0,164 eve EA

D²A=[DA,DA] Δα Z₆D²A Δω. Z₀=[20,4]; 20,40 DA : cascal Sulling 20=Θ₁e, +10 y₀=Θ₂e₁ + 12e λ₁Δ₂,Θ₂e_H Zo=[20,40]=Θ1λ2[e1,e] + λιΘ2[e2,e] =(0,12-1,02)[e,e]=(0,12-1,0,)[e,bez-aez]= = (21/2-/102) (b[e1,e2] - a[e1,e3]) =(0,12-1,02) (bae,-abe,) =0 ears o=ASO is is A all Ubb : Les Aar lu eje es Islat o Ses : Les A Les : Les Ses : 2.9+26A [[2,9+2].9+2]=0[[2,4]] =0

[[2,4],4+2]+[[2,2],4+2]=0 =[[2,4],9]+[[2,4],z]+[[2,2],4]+[[2,2],2]=0 [[x,y],z]+[[x,z],y]=0) [8-[2]]+[x,[z,y]]+[z,[x,y]]=0 [i) [y, 6,2]] = - [x, [2,4]]-[z, [y,2]] [[2,2],y]=[2,[2,y]]+[2,[y,2]]

[[2,y],z]+[2,[2,y])+[2,[y,2]]=0 [[2,47,2]+[[2,47,2]+[2,(2,4]] =0 2[[2,4],2]+[2[2,4]]=0] [2,[2,y]]+[2,(y,2]]+(y,[2,y])=0 [24[2,4]] = - [2,[4,2]] - [4,[2,2]] =+[[4,2],2]+[[2,2],4] (x) is cire (x)

- 11 12 13 14 15 16 17 8 9 10 11 12 13 14 15 16 17

(2[[2,4]],2]+[[y,2],2]+[[2,2],7]=0) (xx) [Cy,x+2],2+2]=0 (if in)[[y,2]+[y,2],2+2]=[[y,2],x]+[y, = [[y,2],x+z]+ [[y,z],2+z]=0. = [[y,2],2] + [y,2],2] + [cy,2],2]+[cy,2],2]=0 [[y,z],z]+[[y,z],z]=0] ([2, (4,2]]+[4,(2,4]]+[2,(2,4]]-0 [[y,z],z] = [y,[z,x]] + [z,(x,y]] [[y,z],z] + [y,[z,x]] + [z,(x,y)] = 0[2[[y,],z]+[y,[z,z]]=0] (2) [y,(z,2]]+[2,(z,y] = 0 (**))! (2) [4,[2,2]]+[[4,2],2]+[[2,2],]]=0 2[4,[2,2]]+[[4,2],2]=0

 $\begin{bmatrix}
 [[x,y],z],y+z] = 0 \\
 [[x,y],z] + [[x,y],[z,y]] = 0 \\
 [[x,y],z] + [[x,y],[z,y]] = 0 \\
 [[x,y],z] + [[y,z],z] = 0
 \end{bmatrix}
 \begin{bmatrix}
 [[x,y],z] + [[x,y],z]] = 0
 \end{bmatrix}
 \begin{bmatrix}
 [[x,y],z] + [[x,y],z]] = 0
 \end{bmatrix}
 \begin{bmatrix}
 [[x,y],z] + [[x,y],z]] = 0
 \end{bmatrix}$

الموضوع: الله المرابع نعيسة له عداي من من من لل قال للل به ن قال الل الروات: اليك A حبد لي قابل للل موقعاللة عمر ELPS Bai to dito d' Le A si i Le ai Man Enson hinter sie Ding Ding = 0 di Xaica jul. Marocar Sto DoB = BCA = POA D'B=[B,B]C[A,A]=DA

cip n=11 da'x ci) cip in this D''BCD''A

D''HB CD''B D''B C CD''A C D''A C D''B - 0 C Jen J. L. S. A. A. S. J. E. Wees Miles & M. S. J. - V. S. J. - V. A. J. - V. A. S. J. - V. A. J. - V. A. J. - V. A. J. - V. A. J Id Aba Finf oblid Ab Ao Blis -2 y = f(x); $x \in [A,A]$ is in $y \in f(A,A]$; Sol 1 x = [a,b]; $a,b \in A$ $y = f(x) = f([a,b]) = [f(a),f(b)] \in [f(A),f(A)]$ PRAID CPAILENT

الاحتراء الماكل بنيا بنيان الطريقة . PIDMAI= DUPIA= O CIA NEN JOS 2! n== ; f(A)=P(A) P(D°(A)=D°(A) h=1
PDA-CA-AJ-[PA]-Dfill). tides is the lo your state of P(DtA) = Dt RA/ P(B+1)=P(ED+A,D+A])-[RD+A,P(D+A)] = [Dt Pul, Dt RAJ] = 10++1P(A) D' f(A) = f(D' A) = f(0) = 0, clot de la Imf = 1 in line 1 in line 1 in de la serie l'as series l'as in in A codin I old ble due ASU Estil Vie AlI & lil VIII 1400:0001 JEVICINIT A - AIT CONPONICIONES role a) po a li VacA: T(a) = a+I old di IMT = A/I distribul - tues and ا (سيداريس) ع 4 5 6 7 8 9 10 11 12 13 14 15